

Form PTO-1449 (Rev. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 10952US05	SERIAL NO. 10/083,902 03/21/03
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT: Tim Chase	
		FILING DATE February 26, 2002	GROUP ART UNIT: 2644

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	3,626,295	12-07-71	Sabrui			
	A2	3,898,376	08-05-75	Nabeyama et al.			
	A3	4,130,730	12-19-78	Ostrowski			
	A4	4,346,262	08-24-82	Willems et al.			RECEIVED
	A5	4,494,238	01-15-85	Groth			MAR 21 2003
	A6	4,544,950	10-01-85	Tu			
	A7	4,624,012	11-18-86	Lin et al.			Technology Center 2600
	A8	4,641,343	02-03-87	Holland et al.			
	A9	4,720,873	01-19-88	Goodman et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	B1 AU 744624	10-19-00	Australia				
	B2 CA 2,199,360	06-26-01	Canada				
	B3 DE 33 13 841 A1	10-18-84	Germany				
	B4 DE 34 40 613 C1	04-10-86	Germany				

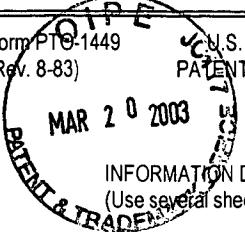
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	"Draft AES recommended practice for professional audio – subjective evaluation of loudspeakers," Draft AES20-xxxx, <u>Standards and Information Documents</u>
C2	"Asymmetric Internet Access over Satellite-Terrestrial Networks," V. Arora, N. Suphasindhu, J.S. Baras, D. Dillon, <u>Center for Satellite and Hybrid Communication Networks</u> .
C3	"Precision Telephone Product Tester at bottom left, p. 297, located in Group 2900 library, B. A. Pargh Company, Inc. catalog

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	A10	4,725,886	02-16-88	Galumbeck et al.			
	A11	4,731,783	03-15-88	Fontanes			
	A12	4,763,321	08-09-88	Calvignac et al.			
	A13	4,821,260	04-11-89	Klank et al.			
	A14	4,831,624	05-16-89	McLaughlin et al.			MAR 21 2003
	A15	4,907,277	03-06-90	Callens et al.			Technology Center 2600
	A16	4,916,539	04-10-90	Galumbeck et al.			
	A17	4,972,484	11-20-90	Theile et al.			
	A18	5,111,292	05-05-92	Kuriacose et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	B5	DE 36 38 922 A1	05-26-88	Germany			
	B6	DE 36 45 150 C2	05-26-88	Germany			
	B7	DE 42 37 366 A1	05-11-94	Germany			
	B8	EP 0 139 803	05-08-85	Europe			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C4	"A Systems Approach to Non-Transcoded Audio Delivery, A Step Toward Digital Compatibility," Richard J. Becvar, Annual Proceeding of the National Association of Broadcasting, March 20, 1994.	
C5	"ISO-MPEG-1 Audio: A Generic Standard for Coding of High-Quality Digital Audio," Brandenburg et al., <u>J. Audio Eng. Soc.</u> , Vol. 42, No. 10, Oct. 1994, pp. 780-792.	
C6	CDQ1000 Reference Manual, Revision 3.3, May, 1994, CCS Audio Products	

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A19	5,132,992	07-21-92	Yurt et al.			
	A20	5,144,431	09-01-92	Citta et al.			
	A21	5,151,998	09-29-92	Capps			
	A22	5,161,210	11-03-92	Druyvesteyn et al.			RECEIVED
	A23	5,214,708	05-25-93	McEachern			MAR 21 2003
	A23	5,239,540	08-24-93	Rovira et al.			
	A25	5,253,275	10-12-93	Yurt et al.			Technology Center 2600
	A26	5,282,028	01-25-94	Johnson et al.			
	A27	5,282,202	01-25-94	Bernstein et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
B9	EP 0 174 636	03-19-86	Europe				
B10	EP 0 271 805	06-22-88	Europe				
B11	EP 0 343 792 A2	11-29-89	Europe				
B12	EP 0 372 601 A1	06-13-90	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C7	CDQ2000 Reference Manual, Rev. 6.92-2, July 27, 1994, <u>CCS Audio Products</u>
C8	CDQ2001 Reference Manual, Revision 2.2-3, August 1994, <u>Musicam USA</u>
C9	"SpectraCast DR1000 Integrated Receiver Decoder," <u>Crown Satellite</u> , March, 1998

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	A28	5,287,351	02-15-94	Wall, Jr. et al.			
	A29	5,301,363	04-15-94	Hinderks			
	A30	5,305,440	04-19-94	Morgan et al.			
	A31	5,319,707	06-07-94	Wasilewski et al.			
	A32	5,325,423	06-28-94	Lewis			
	A33	5,333,155	07-26-94	Dambacher			MAR 21 2003
	A34	5,341,457	08-23-94	Hall, II et al.			Technology Center 2600
	A35	5,349,699	09-20-94	Erben et al.			
	A36	5,375,068	12-20-94	Palmer et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
B13	EP 0 510 247 A2	08-02-91	Europe				
B14	EP 0 510 247 A3	08-02-91	Europe				
B15	JP 5227164	09-03-93	Japan				
B16	Kokai 1-188043	07-27-89	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C10	"120/140 Mbit/s Portable HDTV Codec and its Transmission Performance in a Field Trial via INTELSAT Satellite," Shuichi Matsumoto and Hitomi Murakami, <u>8376 Signal Processing Image Communication</u> , Elsevier Science Publishers, vol. 4, Nos. 4/5, August 1, 1992, pp. 359-377, xp00293754, Amsterdam, NE
C11	"The Internet Multicast from ITS: How it was Done and Implications for the Future," Luis F. M. de Moraes and Stephen B. Weinstein, <u>IEEE Communications Magazine</u> , January, 1995
C12	"The Motion Pictures Experts Group Digital Compression Standard and its Role in Satellite Systems," Frank Laczkó, <u>Proceedings of 1993 IEEE National Telesystems Conference</u> , June 16-17, 1993, pp. 117-119, xp002163561, Atlanta, GA, USA

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A37	5,381,412	01-10-95	Otani			
	A38	5,388,182	02-07-95	Benedetto et al.			
	A39	5,389,965	02-14-95	Kuzma A.J.			
	A40	5,392,066	02-21-95	Fisher et al.			
	A41	5,392,353	02-21-95	Morales			MAR 21 2003
	A42	5,394,561	02-28-95	Freeburg			
	A43	5,396,497	03-07-95	Veltman			Technology Center 2600
	A44	5,403,639	04-04-95	Belsan et al.			
	A45	5,404,567	04-04-95	DePietro et al.			

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						YES	NO
	B17	Kokai 1-309489	12-13-89	Japan			
	B18	Kokai 3-278730	12-10-91	Japan			
	B19	Kokai 4-134995	05-08-92	Japan			
	B20	Kokai 5-103233	04-23-93	Japan			

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C13	"MPEG: A Video Compression Standard for Multimedia Applications," Didier Le Gall, Communications of the Association for Computing Machinery, vol. 34, no. 4, April 1, 1991, pp. 46-58, xp000228788, NY, USA
C14	"Principles of Digital Audio," Ken C. Pohlmann, McGraw-Hill Video/Audio Professional, 4 th edition, pp. 482-483.
C15	"Infinity Boards the MUSICAM Express," Radio Ink, p. 10, May 8-21, 1995

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A46	5,406,558	04-11-95	Rovira et al.			
	A47	5,414,773	05-09-95	Handelman			
	A48	5,432,907	07-11-95	Picazo, Jr., et al.			
	A49	5,440,336	08-08-95	Buhro et al.			
	A50	5,455,570	10-03-95	Cook et al.			
	A51	5,461,619	10-24-95	Citta et al.			MAR 21 2003
	A52	5,463,424	10-31-95	Dressler			Technology Center 2600
	A53	5,479,447	12-26-95	Chow et al.			
	A54	5,490,136	02-06-96	Sereno et al.			

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	B21	Kokai 5-290442	11-05-93	Japan			
	B22	Kokai 6-133220	05-13-94	Japan			
	B23	Kokai 6-141005	05-20-94	Japan			
	B24	Kokai 6-276169	09-30-93	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C16	"Digital Audio Dictionary," Howard W. Sams, <u>Prompt Publications</u>
C17	"Introduction to Data Compression," Khalid Sayood, 1996
C18	"MCPC VSAT's for Rural Network," M. L. Sharma, <u>Digital Satellite Communications, 1995, 10th International Conference, pp. 484-490</u>

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A55	5,490,233	02-06-96	Kovacevic			
	A56	5,493,339	02-20-96	Birch et al.			
	A57	5,493,647	02-20-96	Miyasaka et al.			
	A58	5,495,554	02-27-96	Edwards et al.			
	A59	5,508,949	04-16-96	Konstantinides			
	A60	5,515,107	05-07-96	Chiang et al.			MAR 21 2003
	A61	5,528,725	06-18-96	Hui			Technology Center 2600
	A62	5,530,655	06-25-96	Lokhoff et al.			
	A63	5,534,913	07-09-96	Majeti et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	B25	Kokai 63-128829	06-01-88	Japan			
	B26	Kokai 63-240228	10-05-88	Japan			
	B27	Kokai 7-153243	06-16-95	Japan			
	B28	Kokai 7-154347	11-29-93	Japan			

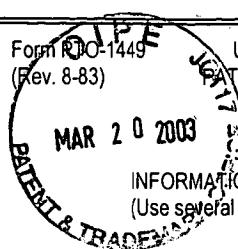
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C19	Advertisement from ET/D of May 1978, Model 452, Simpson Electric Co.	
C20	"Digital Video and Audio Compression," Stephen J. Solari	
C21	"AT&T, Starburst Offer Reliable, Satellite-Based Multicasting," <u>StarBurst Communications Press Release</u> , April 2, 1996	

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	A64	5,535,300	07-09-96	Hall II et al.			
	A65	5,550,863	08-27-96	Yurt et al.			
	A66	5,557,334	09-17-96	Legate			
	A67	5,557,724	09-17-96	Sampat et al.			RECEIVED
	A68	5,559,549	09-24-96	Hendricks et al.			MAR 21 2003
	A69	5,566,209	10-15-96	Forssen et al.			
	A70	5,581,653	12-03-96	Todd			Technology Center 2600
	A71	5,583,962	12-10-96	Davis et al.			
	A72	5,586,121	12-17-96	Moura et al.			

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	B29	WO 89/09965	10-19-89	WIPO			
	B30	WO 92/10040	06-11-92	WIPO			
	B31	WO 92/12599	07-23-92	WIPO			
	B32	WO 92/17948	10-15-92	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C22	"Comet PC-to-PC File Transfer Application Software," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
C23	"HSS High Speed ISA Bus PC Interface Board," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
C24	"MPEG 2 Digital Video Decoder Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)

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	A73	5,588,024	12-24-96	Takano			
	A74	5,590,108	12-31-96	Mitsuno et al.			
	A75	5,594,490	01-14-97	Dawson et al.			
	A76	5,606,668	02-25-97	Shwed			
	A77	5,608,446	03-04-97	Carr et al.			RECEIVED
	A78	5,633,981	05-27-97	Davis			MAR 21 2003
	A79	5,659,615	08-19-97	Dillon			Technology Center 2600
	A80	5,659,877	08-19-97	Enomoto et al.			
	A81	5,675,575	10-07-97	Wall, Jr. et al.			

FOREIGN PATENT DOCUMENTS

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	B33	WO 93/02412	02-04-93	WIPO			
	B34	WO 93/09631	05-13-93	WIPO			
	B35	WO 95/23493	08-31-95	WIPO			
	B36	WO 96/08095	03-14-96	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C25	"MUSICAM MPEG Layer II Digital Audio Decoder Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
C26	"RS-422, V.35, RS-232C Clear Channel Synchronous Data Interface Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
C27	"Specification for Satellite Data Broadcasting System Software v. 1.0," <u>Starguide Digital Networks, Inc.</u> publication 10/31/95 (7 pages)

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	A82	5,694,334	12-02-97	Donahue et al.			
	A83	5,694,490	12-02-97	Howell et al.			
	A84	5,694,546	12-02-97	Reisman			
	A85	5,699,411	12-16-97	Becker et al.			
	A86	5,706,335	01-06-98	Hinderks			MAR 21 2003
	A87	5,727,002	03-10-98	Miller et al.			
	A88	5,732,078	03-24-98	Arango			
	A89	5,732,216	03-24-98	Logan et al.			
	A90	5,737,739	04-07-98	Shirley et al.			

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	B37	WO 96/32710	10-17-96	WIPO				
	B38	WO 96/32805	10-17-96	WIPO				
	B39	WO 97/07606	02-27-97	WIPO				
	B40	WO 97/09801	03-13-97	WIPO				

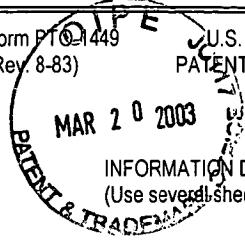
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C28	"Starguide II Digital Multimedia Satellite Receiver," <u>Starguide Digital Networks, Inc.</u> publication (2 pages)
C29	"Starguide MX3 Digital Multimedia Multiplexer," <u>Starguide Digital Networks, Inc.</u> publication (2 pages)
C30	"Starguide MX3 Digital Multimedia Satellite Hub," <u>Starguide Digital Networks, Inc.</u> publication (2 pages)
C31	"Virtual Bandwidth Network Management System (VBNMS) Software," <u>Starguide Digital Networks, Inc.</u> publication (2 pages)

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	A91	5,751,356	05-12-98	Suzuki et al.			
	A92	5,778,187	07-07-98	Monteiro et al.			
	A93	5,778,372	07-07-98	Cordell et al.			
	A94	5,781,909	02-14-98	Logan et al.			RECEIVED
	A95	5,809,145	09-15-98	Slik et al.			MAR 4 2003
	A96	5,818,441	10-06-98	Throckmorton et al.			
	A97	5,818,845	10-06-98	Moura et al.			Technology Center 2600
	A98	5,828,655	10-27-98	Moura et al.			
	A99	5,828,839	10-27-98	Moncreiff			

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	B41	WO 97/48051	12-18-97	WIPO				
	B42	WO 98/15887	04-16-98	WIPO				
	B43	WO 98/20724 A2	05-22-98	WIPO				
	B44	WO 00/25482	05-04-00	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C32	"Virtual Bandwidth Network Management System, Users Guide," <u>Starguide Digital Networks, Inc.</u> publication 1996, pp. 1-83
C33	"Installation and Operation of the DaX," <u>Starguide Digital Networks, Inc.</u> publication 04/25/95, pp. 1-16
C34	"StarGuide II Satellite Receiver User's Manual," <u>Starguide Digital Networks, Inc.</u> publication, Rev. B 6/96, pp. 1-56
C35	"RS-232 Asynchronous Services Statistical Demux Interface Module," <u>Starguide Digital Networks, Inc.</u> publication 1996

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MAR 20 2003 PATENT & TRADEMARK OFFICE		INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		
		APPLICANT: Tim Chase		
		FILING DATE February 26, 2002	GROUP ART UNIT: 2644	

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A100	5,835,726	11-10-98	Shwed et al.			
	A101	5,838,906	11-17-98	Doyle et al.			
	A102	5,841,979	11-24-98	Schulhof et al.			
	A103	5,848,386	12-08-98	Motoyama			
	A104	5,852,721	12-22-98	Dillon et al.			RECEIVED
	A105	5,862,325	01-19-99	Reed et al.			MAR 21 2003
	A106	5,881,131	03-09-99	Farris et al.			Technology Center 2600
	A107	5,893,091	04-06-99	Hunt et al.			
	A108	5,894,554	04-13-99	Lowery et al.			

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						YES	NO
B45	WO 02/069073 A2	09-06-02	WIPO				
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C36	Conway Phone-a-lyzer II, p. 96, <u>Telephony's Buyer's Guide 1990/91</u>
C37	"Telos Zephyr Digital Network Audio Transceiver User's Manual," (selected portions), Manual Version: Non-ISDN 1.0, April 94
C38	Clearlink IP Router Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03
C39	"VSAT Network Components," Tridom, released 1/26/97 printed from web page 02/05/03

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	A109	5,987,480	11-16-99	Donohue et al.			
	A110	5,991,292	11-23-99	Focsaneanu			
	A111	5,991,306	11-23-99	Burns et al.			
	A112	5,991,596	11-23-99	Cunningham et al.			RECEIVED
	A113	5,995,726	11-30-99	Dillon			MAR 21 2003
	A114	6,002,720	12-14-99	Yurt et al.			
	A115	6,006,173	12-21-99	Wiese et al.			Technology Center 2600
	A116	6,018,764	01-25-00	Field et al.			
	A117	6,021,307	02-01-00	Chan			

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							YES	NO
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C40	Clearlink System 100 Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03
C41	"Bandwidth On Demand Satellite Network Table Definitions," StarGuide Digital, version 2.0, August 29, 1996, pp. 1-8, <u>Vortex Communications, LLC</u>
C42	"StarGuide Multiplexer User's Manual," Version 6.01, October 5, 1996, pp. 1-26, <u>Vortex Communications, LLC</u>
C43	"Symphony Integrated Satellite Receiver Software High Level Design," Version 1.0, April 28, 1995, pp. 1-24, <u>Vortex Communications, LLC</u>

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	A118	6,023,345	02-08-00	Bloomfield			
	A119	6,034,689	03-07-00	White et al.			
	A120	6,038,594	03-14-00	Puente et al.			
	A121	6,041,295	03-21-00	Hinderks			RECEIVED
	A122	6,041,359	03-21-00	Birdwell			MAR 21 2003
	A123	6,049,551	04-11-00	Hinderks et al.			
	A124	6,055,244	04-25-00	Wall, Jr. et al.			Technology Center 2600
	A125	6,078,961	06-20-00	Mourad et al.			
	A126	6,085,235	07-04-00	Clarke, Jr. et al.			

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						YES	NO
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	C44	"Symphony Integrated Satellite Receiver Product Specification," Version 1.1, May 5, 1995, pp. 1-11, <u>Virtex Communications, LLC</u>
	C45	StarGuide II Tracking brochure, 1995, <u>Virtex Communications, L.L.C.</u>
	C46	"MUSICAM EXPRESS Brochure, 1995, Virtual Express Communications, L.L.C.

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	A127	6,094,427	07-25-00	Yi			
	A128	6,094,671	07-25-00	Chase et al.			
	A129	6,101,180	08-08-00	Donahue et al.			
	A130	6,115,750	09-05-00	Dillon et al.			
	A131	6,128,374	10-03-00	Hinderks			RECEIVED
	A132	6,144,702	11-07-00	Yurt et al.			MAR 21 2003
	A133	6,160,797	12-12-00	Robert III et al.			Technology Center 2600
	A134	6,188,689	02-13-02	Katsube et al.			
	A135	6,205,473	03-20-01	Thomasson et al.			

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	C47	"Compression in Video and Audio," John Watkinson, 1995
	C48	Webpage printouts, IDR V1000 Specification, WavePhore Networks, 12/10/97
	C49	"WavePhore and SkyCache to Renovate Internat Backbone," webpage printout, WavePhore Networks, 03/11/98

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	A137	6,310,893	10-30-01	Yuan et al.			
	A138	6,351,727	02-26-02	Wiese et al.			RECEIVED
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	A141	6,373,927	04-16-02	Hinderks			Technology Center 2600
	A142	6,411,607	06-25-02	Robert III et al.			
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	A144	6,490,551	12-03-02	Wiese et al.			

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C50	"Digital Video: The iPump," <u>Wegener Communications</u> , web page printed 02/05/03	
C51	"Digital Video: The UNITY 5000," <u>Wegener Communications</u> , web page printed 02/05/03	
C52	"Digital Video: UNITY Option Cards," <u>Wegener Communications</u> , 1999, web page printed 02/14/03	

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	A145	Des. 264,691	06-01-82	Volkland et al.			
	A146	Des. 267,249	12-14-82	Fukushima et al.			
	A147	Des. 277,569	02-12-85	Georgopoulos			
	A148	Des. 281,974	12-31-85	Suzuki et al.			
	A149	Des. 289,616	05-05-87	Imazeki			
	A150	Des. 291,443	08-18-87	Pedinielli et al.			MAR 20 2003
	A151	Des. 349,503	08-09-94	Roy			Technology Center 2000
	A152	Des. 350,544	09-13-94	Sakuta et al.			
	A153	Des. 373,767	09-17-96	Hinderks			

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C53	"Digital Video: The UNITY 401," Wegener Communications, 1999, web page printed 02/14/03	
C54	"Modeling and Performance Analysis of File Transfer in a Satellite Wide Area Network," Oliver W. W. Yang et al., IEEE Journal on Selected Areas in Communications, vol. 10, No. 2, February, 1992	
C55	"Psychoacoustics Facts and Models," E. Zwicker and H. Fastl, 1990	

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	A154	Re. 32,124	04-22-86	Atal			
	A155	2001/0000457	04-26-01	Hinderks et al.			
	A156	2001/0038686	11-08-01	Hinderks			RECEIVED
	A157	2002/0082827	06-27-02	Wiese			
	A158	2002/0105955	08-08-02	Roberts, III et al.			MAR 21 2003
	A159	2002/0177914	11-28-02	Chase			Technology Center 2600
	A160	2002/0194364	12-19-02	Chase et al.			
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C56	"What is DaX?," Virtex Communications, L.L.C., 1994
C57	"The Very Least You Need to Know to Operate a DaX" brochure, MUSICAM EXPRESS, L.L.C., July, 1996
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